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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/746,616	12/21/2000	Takashi Matsumoto	FUJI 18.144	2180
26304	7590	01/17/2006	EXAMINER	
KATTEN MUCHIN ROSENMAN LLP			PATEL, JAY P	
575 MADISON AVENUE			ART UNIT	
NEW YORK, NY 10022-2585			PAPER NUMBER	
			2666	

DATE MAILED: 01/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/746,616

Applicant(s)

MATSUMOTO ET AL.

Examiner

Jay P. Patel

Art Unit

2666

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 and 14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 and 14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 December 2000 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. Figures 1A-7 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1- 6 and 14 are rejected under 35 U.S.C. 102(e) as being anticipated by Gentry et al. (US Patent 6888803 B1).

3. In regards to claims 1 and 3, Gentry anticipates a method of registering an IP terminal device including a function to transmit and receive IP packets, to a line-

switching exchanger including a database that is used for managing a type of a telephone set and a telephone number thereof. Figure 2 discloses mobile devices that can access the IP network 100. Figure 4 discloses a process of register an individual mobile device. The mobility gatekeeper 500 updates a table with the IP address of the base station controller gateway and serving end office gateway 300. The end office gateway provides voice and call control ports within the end office telephony switch 310; since the end office gateway 300 and telephony switch 310 provide access to the PSTN 320, together, they anticipate the line-switching exchanger and the database.

In further regards to claims 1 and 3, connecting the line-switching exchanger and a network gateway device by use of a radio-base-station-connection line that is used for connecting radio base stations is anticipated by the connection between the BSC gateway 200, the BSC 210, the IP network 100 and the EOTS Gateway 300 in figure 2. The BSC gateway 200 anticipates the network gateway device; the EOTS Gateway 300 together with the EOTS 310 anticipate the line-switching exchanger and the radio base station connection line is anticipated by the connection between the BSC 210, the BSC gateway 200, the IP network 100 and the EOTS gateway 300.

In further regards to claims 1 and 3, figure 2 also discloses cellular network 510 connected to the IP network 100 through a mobility gatekeeper 500. Therefore, the mobile devices can reside in the cellular network 510 and since the BSC gateway 200 is also connected to the IP network 100, Gentry also anticipates connecting the network gateway and the IP terminal device through an IP network.

In further regards to claims 1 and 3, registering said the registration process in figure 4 anticipates IP terminal device a radiotelephony device in said database.

In regards to claim 2, transmitting location-registration information of the IP terminal device to the line switching exchanger is anticipated by the connection between the mobile devices, the BSC 210, the gateway 200, and the EOTS gateway 300. Since a connection exist between the mobile device and the EOTS gateway 300, the location registration must be transmitted the EOTS gateway 300 which acts as the database as mentioned above with regards to claim 1.

In further regards to claim 2, the registration process in figure 4 anticipates registering location information about said IP terminal device in said database based on the location-registration information of said IP terminal device.

In regards to claim 4, the line switching exchanger registering the information about the location of the IP terminal device based on a location-request message supplied from said network-gateway device is anticipated by the registration process in figure 4.

In regards to figure 5, the database including an authentication code of the IP terminal device and the line-switching exchanger executing the authentication of the IP terminal after receiving a location registration request message and using the authentication code of the IP terminal is anticipated by the disclosure that upon registration of an individual mobile, information pertaining to mobility services (authentication) is communicated to the base station controller gateway; furthermore,

this action takes place to gain access to the PSTN through end office telephony switch 310 (see column 5, lines 25-31).

In regards to claim 6, Gentry discloses that the end office telephony switch 310 can provide direct access to the PSTN or can optionally be a private branch exchange (PBX) node which utilizes another switch to access the network (see column 9, lines 15-18).

In regards to claim 14, transmitting the location registration request message of the IP terminal device using the registration request unit; where the request includes the authentication code to the gatekeeper device is anticipated by the base station controller gateway communicating with the mobility gatekeeper, for cellular zone management purposes including authentication, registration mobility services and handoffs (see column 9, lines 8-12).

In further regards to claim 14, storing the authentication code in a memory of the IP terminal device is anticipated by the IP network 100 maintaining a VLR for mobiles 220; where the VLR includes subscriber profile (or which an authentication code is a part of) of the mobile station (see column 6, lines 15-17).

Response to Arguments

4. Applicant's arguments with respect to claims 1-3 and 6 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jay P. Patel whose telephone number is (571) 272-3086. The examiner can normally be reached on M-F 9:00 am - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema S. Rao can be reached on (571) 272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

1/10/06

Jay P. Patel
Assistant Examiner
Art Unit 2666

Seema S. Rao
SEEMA S. RAO 1/12/06
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600